

SEQUENCE LISTING

<110> Nycomed Imaging AS

<120> Improvements in or relating to
diagnostic/therapeutic
agents

<130> REF/Klaveness/054

<140> US 08/960,054

<141> 1997-10-29

<160> 25

<170> PatentIn Ver. 2.1

<210> 1

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:RGDC-Mal-PEG3400-DSPE

<400> 1

Arg Gly Asp Cys

1

<210> 2

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Peptide
comprising
phosphatidylserine-binding and
heparin-binding sections

<400> 2

Phe Asn Phe Arg Leu Lys Ala Gly Gln
Lys Ile Arg Phe Gly Ala Ala

1 5
10 15

Ala Trp Glu Pro Pro Arg Ala Arg Ile

20 25

<210> 3

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Heparin-binding
peptide

<400> 3

Trp Glu Pro Pro Arg Ala Arg Ile

1 5

<210> 4

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Linker sequence

<220>

<221> MOD_RES

<222> (1)

<223> MTX-phenylalanine

<400> 4

Phe Lys Leu Arg Leu Cys

1 5

<210> 5
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Heparin
sulphate binding peptide

<400> 5
Lys Arg Lys Arg

1

<210> 6
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Fibronectin
peptide

<400> 6
Trp Gln Pro Pro Arg Ala Arg Ile

1

5

<210> 7
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Lipopeptide
consisting of a heparin
sulphate binding peptide
and a fibronectin peptide

<220>
<221> MOD_RES

<222> (1)

<223> Dipalmitoyl-lysine

<400> 7

Lys Lys Arg Lys Arg Trp Gln Pro Pro

Arg Ala Arg Ile

1

5

10

<210> 8

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Fibronectin
peptide sequence

<400> 8

Phe Asn Phe Arg Leu Lys Ala Gly Gln

Lys Ile Arg Phe Gly Gly Gly

1

5

10

15

Gly Trp Gln Pro Pro Arg Ala Ile

20

<210> 9

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Biotinylated
endothelin-1 peptide

<220>

<221> MOD_RES

<222> (1)

<223> Biotin-D-Trp

<400> 9

Trp Leu Asp Ile Ile Trp

1

5

<210> 10

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial

Sequence: Biotinylated

fibrin-anti-polymerant peptide

<220>

<221> MOD_RES

<222> (1)

<223> Biotinylated-Gly

<220>

<221> MOD_RES

<222> (10)

<223> AMIDATION

<400> 10

Gly Pro Arg Pro Pro Glu Arg His Gln

Ser

1

5

10

<210> 11

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial

Sequence: Lipopeptide

containing RGD sequence and

fluorescein reporter

group

<220>

<221> MOD_RES

<222> (1)

<223> Dipalmitoyl-Lys

<220>

<221> MOD_RES

<222> (4)

<223> Acetyl-RGD-K-fluorescein side
chain

<400> 11

Lys Lys Lys Lys Gly

1

5

<210> 12

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Endothelial
cell binding lipopeptide

<220>

<221> MOD_RES

<222> (1)

<223> 2-n-hexadecylstearyl-Lys

<220>

<221> MOD_RES

<222> (18)

<223> AMIDATION

<400> 12

Lys Leu Ala Leu Lys Leu Ala Leu Lys
Ala Leu Lys Ala Ala Leu Lys

1

5

10

15

Leu Ala

<210> 13
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Lipopeptide
functionalised with captopril

<220>
<221> MOD_RES
<222> (1)
<223> Dipalmitoyl-Lys

<220>
<221> MOD_RES
<222> (4)
<223> Amide linked via side chain to
captopril

<220>
<221> MOD_RES
<222> (4)
<223> AMIDATION

<400> 13
Lys Lys Lys Lys

1

<210> 14
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Lipopeptide
with an affinity for
endothelial cells

<220>
<221> MOD_RES
<222> (1)

<223> Dipalmitoyl-Lys

<220>

<221> MOD_RES

<222> (4)

<223> Acp

<220>

<221> MOD_RES

<222> (13)

<223> AMIDATION

<400> 14

Lys Lys Lys Xaa Ile Arg Arg Val Ala

Arg Pro Pro Leu

1 5

10

<210> 15

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial

Sequence:Lipopeptide

comprising an interleukin-1

receptor binding

peptide

<220>

<221> MOD_RES

<222> (1)

<223> Dipalmitoyl-Lys

<400> 15

Lys Gly Asp Trp Asp Gln Phe Gly Leu

Trp Arg Gly Ala Ala

1 5

10

<210> 16

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<221> MOD_RES

<222> (1)

<223> Dabsyl-Tyr

<220>

<221> MOD_RES

<222> (10)

<223> RGDS chain linked via NH2 group
of lysine

<220>

<223> Description of Artificial
Sequence: Branched core
peptide comprising a dabsylated
atherosclerotic
plaque-binding sequence and
RGDS

<400> 16

Tyr Arg Ala Leu Val Asp Thr Leu Lys
Lys Gly Cys

1 5
10

<210> 17

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence: Synthetic
oligonucleotide

<220>

<221> misc_feature

<222> (1)

<223> Biotinylated

<400> 17

gaaaggtagt ggggtcgtgt gccgg
25

<210> 18
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Lipopeptide
with affinity for thrombi

<220>
<221> MOD_RES
<222> (1)
<223> Dipalmitoyl-Lys

<220>
<221> MOD_RES
<222> (15)
<223> AMIDATION

<400> 18
Lys Asn Asp Gly Asp Phe Glu Glu Ile
Pro Glu Glu Tyr Leu Gln
1 5
10 15

<210> 19
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Lipopeptide

<220>
<221> MOD_RES
<222> (1)
<223> Dipalmitoyl-Lys

<220>
<221> MOD_RES
<222> (5)
<223> Biotinylated-Lys

<400> 19

Lys Trp Lys Lys Lys Gly

1

5

<210> 20

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence: Thiol-functionalised
lipid molecule

<220>

<221> MOD_RES

<222> (1)

<223> Dipalmitoyl-Lys

<220>

<221> MOD_RES

<222> (4)

<223> Acp

<400> 20

Lys Lys Lys Xaa Cys

1

5

<210> 21

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence: Lipopeptide
functionalised with atenolol

<220>

<221> MOD_RES

<222> (1)

<223> Dipalmitoyl-Lys

<220>

<221> MOD_RES

<222> (4)

<223> Lysine with side chain linked
via amide bond to
atenolol

<220>

<221> MOD_RES

<222> (4)

<223> AMIDATION

<400> 21

Lys Lys Lys Lys

1

<210> 22

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence: Lipopeptide
containing folic acid

<220>

<221> MOD_RES

<222> (1)

<223> Dipalmitoyl-Lys

<220>

<221> MOD_RES

<222> (4)

<223> AMIDATION

<220>

<221> MOD_RES

<222> (4)

<223> Lysine with side chain linked
via amide bond to
folic acid

<400> 22
Lys Lys Lys Lys

1

<210> 23
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Lipopeptide
containing a derivative of
bestatin

<220>
<221> MOD_RES
<222> (1)
<223> Dipalmitoyl-Lys

<220>
<221> MOD_RES
<222> (4)
<223> AMIDATION

<220>
<221> MOD_RES
<222> (4)
<223> Lysine with side chain linked
via amide bond to
derivative of bestatin

<400> 23
Lys Lys Lys Lys

1

<210> 24
<211> 4
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Lipopeptide
containing chlorambucil

<220>

<221> MOD_RES

<222> (1)

<223> Dipalmitoyl-Lys

<220>

<221> MOD_RES

<222> (4)

<223> AMIDATION

<220>

<221> MOD_RES

<222> (4)

<223> Lysine with side chain linked
via amide bond to
chlorambucil

<400> 24

Lys Lys Lys Lys

1

<210> 25

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Lipopeptide
functionalised with
sulfisoxazole

<220>

<221> MOD_RES

<222> (1)

<223> Dipalmitoyl-Lys

<220>

<221> MOD_RES

<222> (4)

<223> AMIDATION

<220>

<221> MOD_RES

<222> (4)

<223> Lysine with side chain linked
via amide bond to
sulfisoxazole

<400> 25

Lys Lys Lys Lys

1

<210> 26

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence: Atherosclerotic
plaque-binding peptide

<400> 26

Tyr Arg Ala Leu Val Asp Thr Leu Lys

1

5

<210> 27

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence: Atherosclerotic
plaque-binding peptide

<400> 27

Tyr Ala Lys Phe Arg Glu Thr Leu Glu
Asp Thr Arg Asp Arg Met Tyr

1

5

10

15

<210> 28
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Atherosclerotic
plaque-binding peptide

<400> 28
Arg Ala Leu Val Asp Thr Glu Phe Lys
Val Lys Gln Glu Ala Gly Ala
1 5
10 15

Lys

<210> 29
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Thrombus
binding peptide

<400> 29
Asn Asp Gly Asp Phe Glu Glu Ile Pro
Glu Glu Tyr Leu Gln
1 5
10

<210> 30
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Thrombus

binding peptide

<400> 30

Gly Pro Arg Gly

1

<210> 31

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Platelet
binding peptide

<400> 31

Pro Leu Tyr Lys Lys Ile Ile Lys Lys
Leu Leu Glu Ser

1

5

10